

NVO485UF Cabinet SPECIFICATION SHEET







USES UP TO 75% LESS SALT & 64% LESS WATER



IAPMO R&T Certified to NSF/ANSI 44, 372 and CSA B483.1.

Water Softener

High-Efficiency, Advanced Features, Compact Design

The 485UF cabinet water softener offers high-efficiency softening in a compact design that saves space. Third-party certified to provide luxuriously soft water, enjoy advanced features while using less salt and water.

KEY FEATURES

Upflow Regeneration: Saves salt by preserving the unused portion of the softening bed from unnecessary ion exchange.

Precision Brining: Calculates the exact amount of brine required to regenerate, using up to 30% less salt.

Automatic System Refresh: If no water is used for seven (7) days, the system will perform an automatic refresh to prevent bacteria growth.

Backwash Frequency Preset: Save up to 2,000 gallons of water per year by skipping up to ten (10) backwash cycles on clean municipal water supply.

Soft Water Brine Tank Refill: Keeps tank & injectors clean.

Soft Water Recharge: If capacity goes below 3%, an automatic 15-minute recharge restores softening until the next regeneration.

Cabinet Features: Cabinet comes with safety float and air check.

VALVE FEATURES

User-Friendly Programming

Just set the time date, number of people and hardness.

48-Hour Programming Memory

Automatic programming restore for up to 48 hours during power loss.

Plumbing Adapters Comes with two 90°

elbow adapters.

Timesaving Quick Connect Fittings & Pre-Installed

Bypass Quick connect fittings on bypass, drain line (10' included), brine line and power cord for easier, faster

Backlit LCD Display

"No Touch" display rotates key information including last regeneration date and volume remaining



Unique Bypass Design

Integrated turbine meter saves space, eliminates connections and is more durable.



maintenance.

Tank Designed for easy installation &

Removable Brine

Technical Specifications

PROFESSIONALLY ENGINEERED FOR PERFORMANCE

| MODEL NUMBER | NVO485UF-100C |
|-------------------------------------|--------------------------------------|
| Item Number | 15020451 |
| HIGH EFFICIENCY SETTING (OPTIONAL) | |
| Salt Used Per Regeneration | 3.0 lbs |
| Water Used Per Regeneration | 28.3 gal |
| Hardness Removal (Grains) | 15,000 |
| FACTORY SETTING (STANDARD CAPACITY) | |
| Salt Used Per Regeneration | 6.0 lbs |
| Water Used Per Regeneration | 48.6 gal |
| Hardness Removal (Grains) | 25,000 |
| HIGH CAPACITY SETTING (OPTIONAL) | |
| Salt Used Per Regeneration | 10.0 lbs |
| Water Used Per Regeneration | 69.5 gal |
| Hardness Removal (Grains) | 30,000 |
| Resin Quantity (Cubic Feet) | 1.0 ft ³ |
| Media Loaded | Yes |
| Salt Storage Capacity | 175 lbs |
| Flow Rate @ 15 psi Pressure Drop | 12.0 US gpm |
| Flow Rate @ 25 psi Pressure Drop | 16.0 US gpm |
| Backwash Flow Rate | 2.4 US gpm |
| Shipping Weight | 110 lbs |
| Regeneration Type | UPFLOW (COUNTER CURRENT) |
| Maximum Efficiency | 4,423 GRAINS/LB SALT |
| Plumbing Connections | INCLUDES 3/4" 90° NPT ELBOWS |
| Resin Type | AQUAFINE® 8% CATION EXCHANGE RESIN |
| Electrical Requirements | INPUT 120V 60 Hz - OUTPUT 12V 650mA |
| Water Temperature Limits | MIN 40° - MAX 110° F (4° - 43° C) |
| Water Pressure Limits | MIN 30 - MAX 125 PSI (207 - 862 KPA) |
| | |

DIMENSIONS

NVO485UF-100C Cabinet

16.5" X 19.3" X 43.3"





Two Piece Cabinet Design Large, easy to fill brine tank.









Maintenance Guide



Trouble Shooting Guide



Parts Breakdown



Programming Guide



Warranty Sheet











